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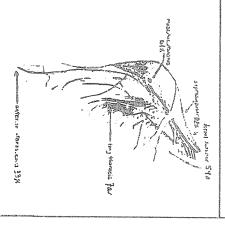
Parsonage-Turner Syndrome Following Continuous Peripheral Nerve Blockade Jason D. Merrell, MD; Cameron Cartier, DO; John P. McCallin, MD; Karl A. Lautenschlager, MD

San Antonio Military Medical Center, Fort Sam Houston, Texas San Antonio Uniformed Services Health Education Consortium Pain Medicine Fellowship, Department of Pain Management



operative analgesia. of PTS following use of a continuous placed for the purpose peripheral following surgery. We present a case Parsonage-Turner Syndrome (PTS) has been perineural reported S of postcatheter occur

Military Treatment Facility Location: United States Air Force



involvement of each nerve. percentage of PTS patients that have commonly The brachial plexus with regions that are affected along the

> the lateral arm and forearm. and to the distal interphalangeal interphalangeal joint of his thumb endorsed numbness and allodynia to interosseous nerve lesion. consistent joint of his first digit; his exam was attempted lancinating pain and weakness to disturbances consistent with PTS. year∙old man experienced neurologic after shoulder arthroscopy, a catheter for postoperative analgesia continuous interscalene perineural Case: preoperative Following patient with flexion placement an uncomplicated demonstrated oţ He also anterior

were normal bilaterally. The patient abnormal spontaneous activity in the demonstrated multifocal pathology volitional motor unit potentials in deltoid and flexor pollicis longus (FPL) muscles. (LABC) sensory response was absent; lateral antebrachial cutaneous nerve Sensory nerve action potential of the electromyography All other nerve studies There were absent showed

Results

regained LABC nerve sensation. allodynia to the lateral arm returned, but he still endorsed four months, his strength had fully Two months post-surgery, the patient Pregabalin effectively managed pain. physical and occupational therapy. The patient underwent aggressive 9

as a rare set of symptoms possibly continuous although risk factors have been nerve disorder of unknown cause, PTS, acute brachial neuropathy or unique presentation of PTS after inflammation. This case highlights a identified. neuralgic amyotrophy, is a peripheral The condition manifests from peripheral autoimmune

phenotype neuralgic amyotrophys Criteria for the diagnosis of classic

- Subacute or acute onset
- Initial pain equal or greater than 7/10 for days to weeks Multifactorial distribution focusing on the upper trunk, long thoracic nerve and suprascapular
- Monophasic course with slow recovery or no recovery over months
- No other abvious explanation for neurologic deficit

Eijk JJ, Groothuis JT, Van Alfen N. Muscle diagnosis, pathophysiology, and treatment.

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 Neuralgic amyotrophy: An update on References

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Syndrome). Norbury J et. al. 5. How to know it when you see it: diagnosing http://practicalneurology.com/2015. neuralgic amyotrophy (Parsonage-Turner

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